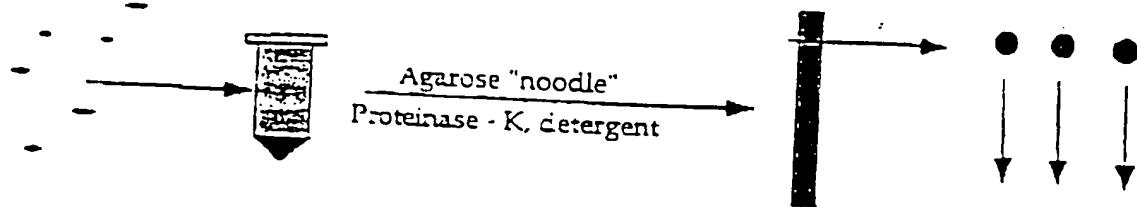


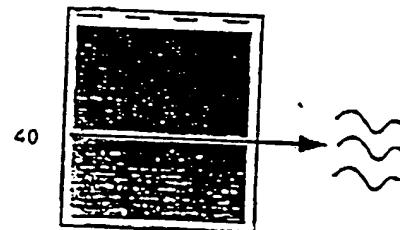
Figure 1

Environmental Library Construction in
pFOS1

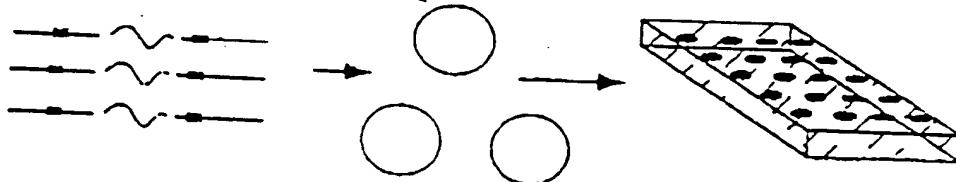
1. Concentrate bacteria, digest protein and preserve high MW DNA



2. Partially digest DNA and select 40 kbp fragments by PFGE or by λ -packaging (step 3)



3. Ligate to fosmid arms, package and transfect to *E. coli*.
Array library in microtiter plates.



Tier I Tier II Tier III Tier IV

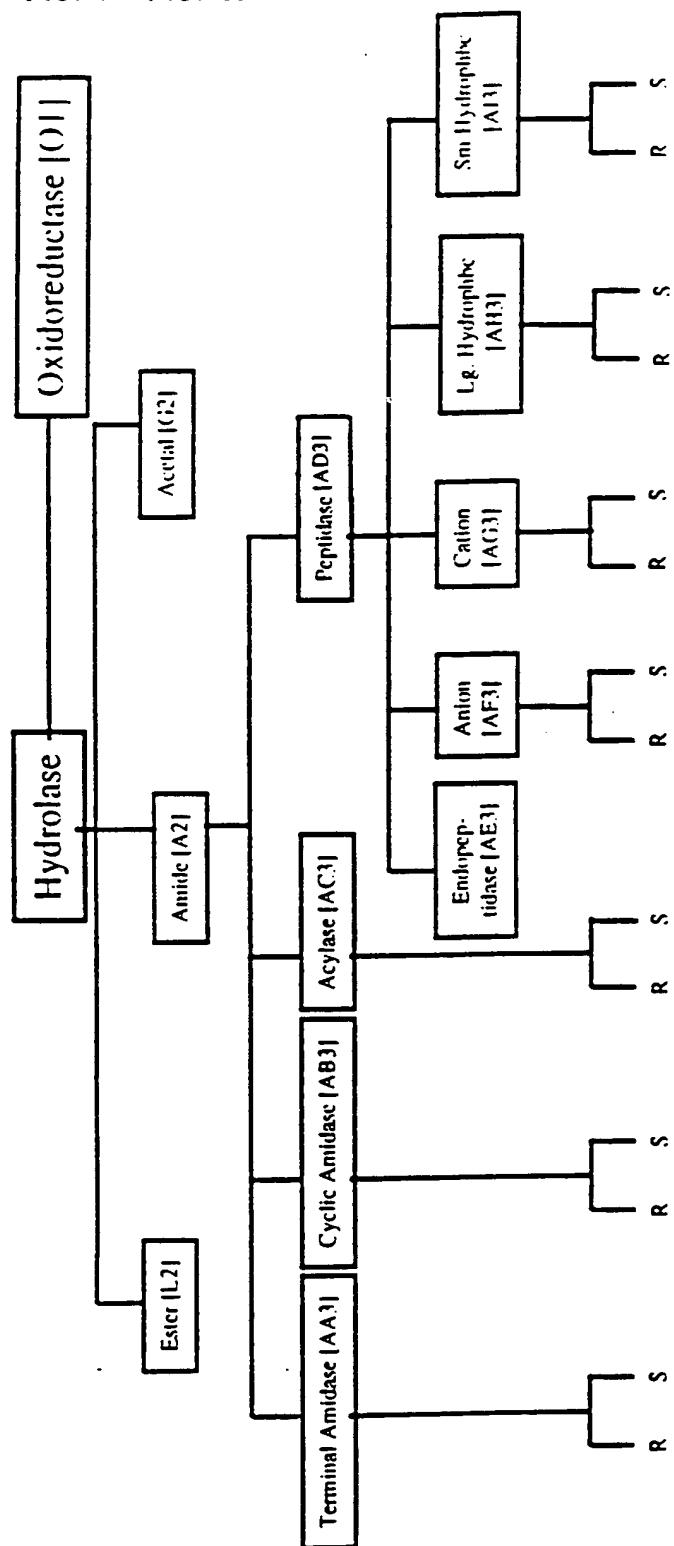
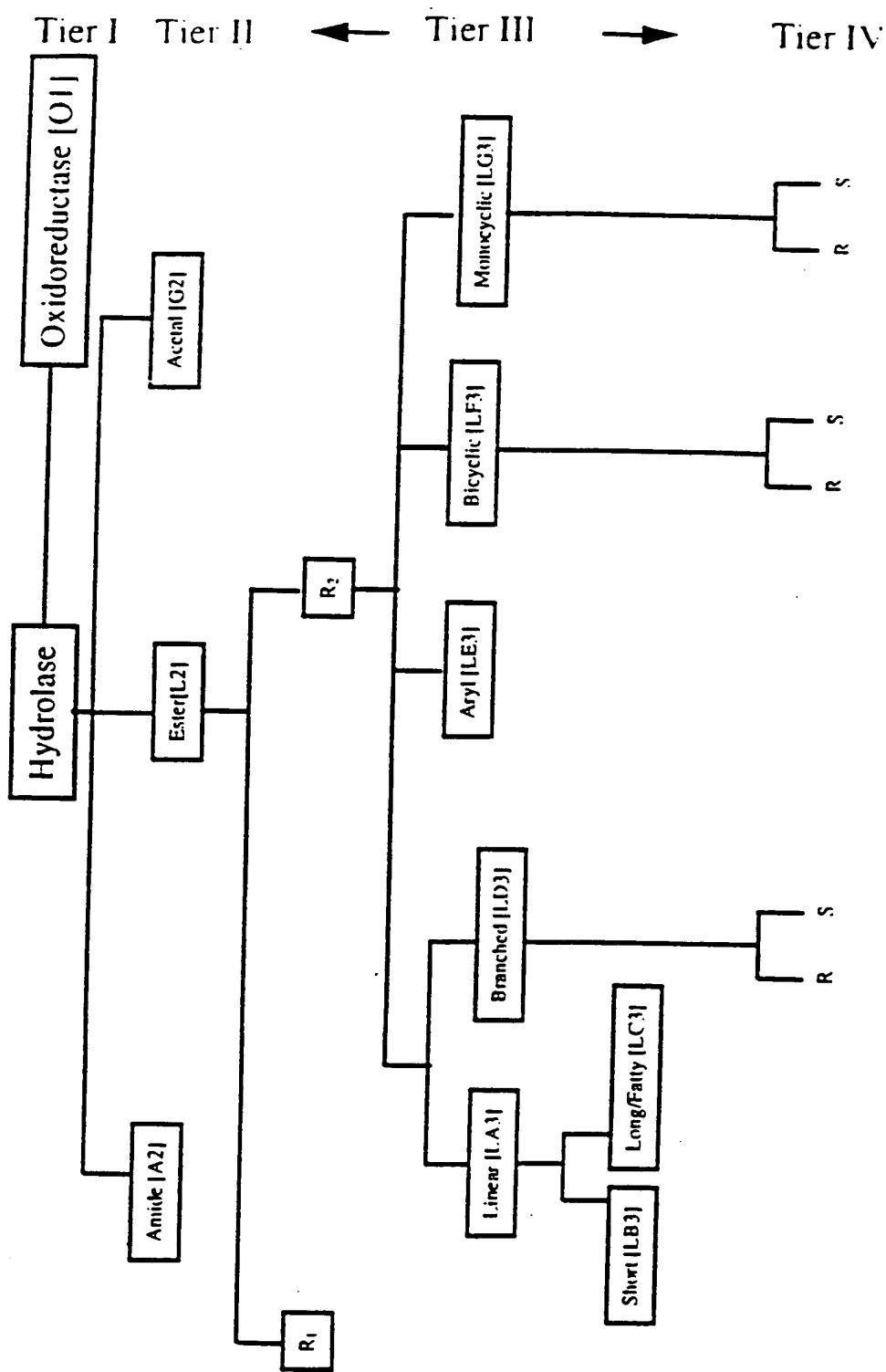


Figure 2

Figure 3



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Tier I Tier II ← Tier III → Tier IV

Figure 4

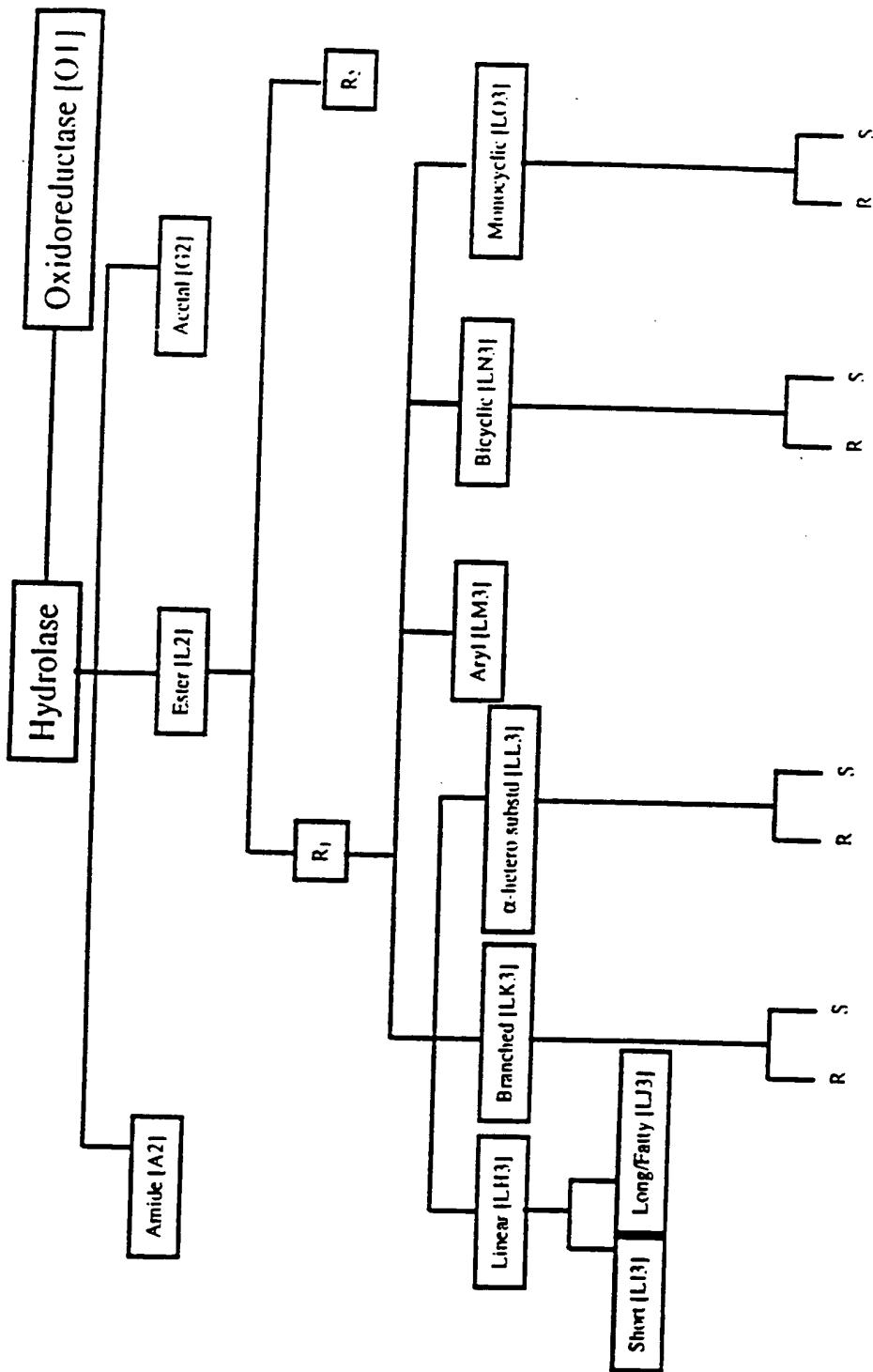
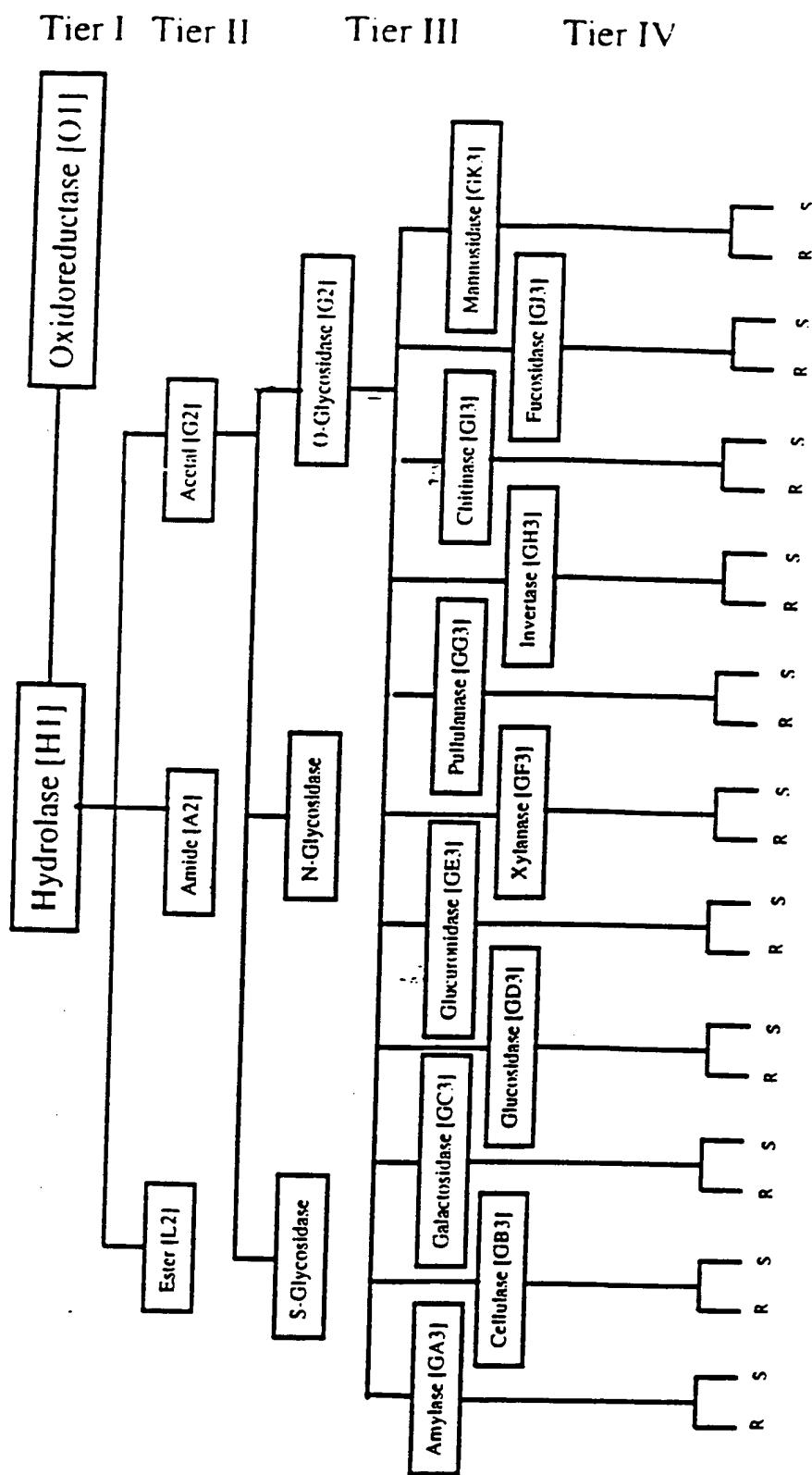


Figure 5



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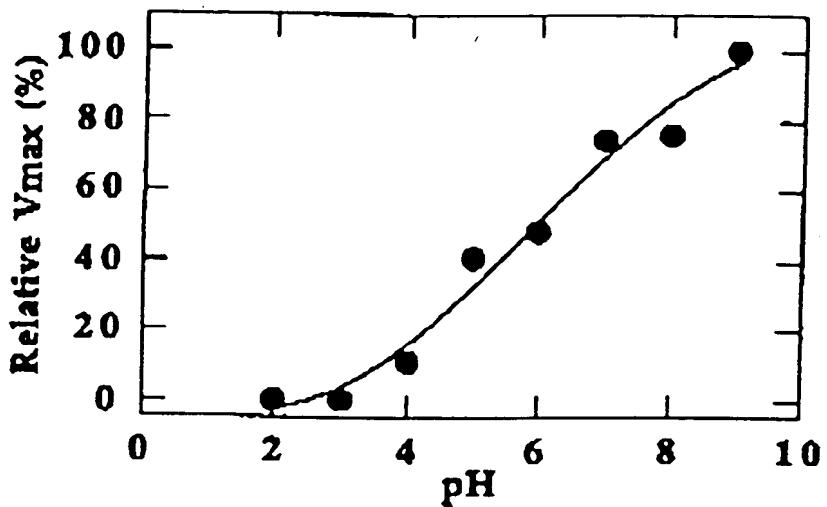


Figure 6

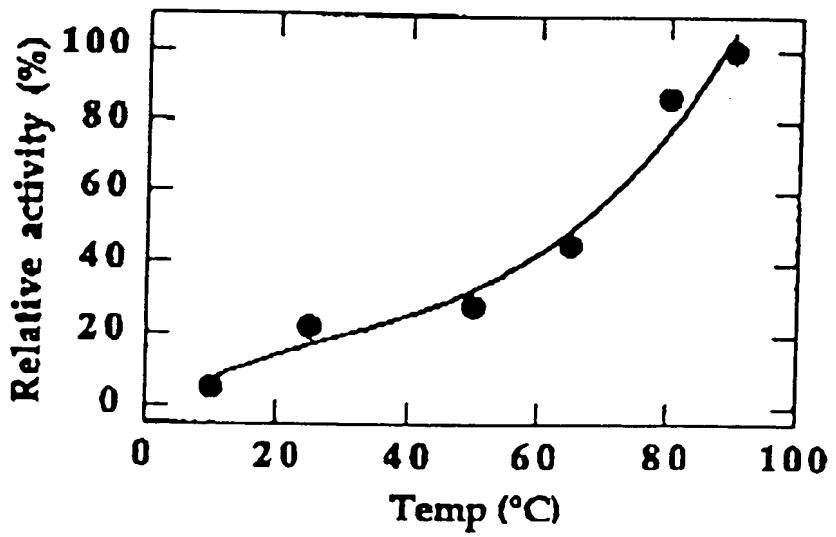


Figure 7

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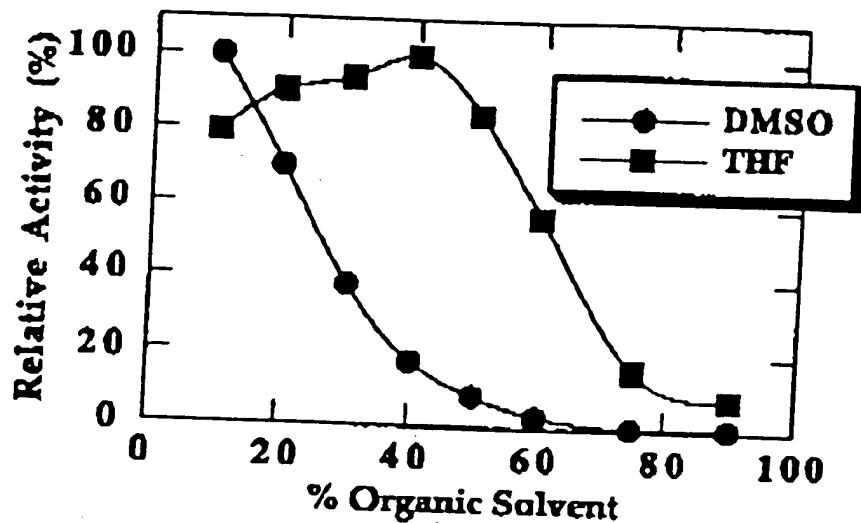


Figure 8